

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/776, 419
Source: IFWO
Date Processed by STIC: 02/07/2007

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IFWO

RAW SEQUENCE LISTING

DATE: 02/07/2007

PATENT APPLICATION: US/10/776,419

TIME: 11:44:31

Input Set : N:\efs\02_07_07\10776419_efs\419-SequenceListing.txt

Output Set: N:\CRF4\02072007\J776419.raw

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3 <110> APPLICANT: Palatin Technologies, Inc.
4     Sharma, Shubh D.
5     Shi, Yi-Qun
6     Rajpurohit, Ramesh
7     Wu, Zhijun
9 <120> TITLE OF INVENTION: Peptidomimetics of Biologically Active Metallopeptides
11 <130> FILE REFERENCE: 70025-US04-404
13 <140> CURRENT APPLICATION NUMBER: US 10/776,419
14 <141> CURRENT FILING DATE: 2004-02-10
16 <150> PRIOR APPLICATION NUMBER: PCT/US02/25574
17 <151> PRIOR FILING DATE: 2002-08-12
19 <150> PRIOR APPLICATION NUMBER: 60/311,404
20 <151> PRIOR FILING DATE: 2001-08-10
22 <160> NUMBER OF SEQ ID NOS: 12
24 <170> SOFTWARE: PatentIn version 3.3
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 9
28 <212> TYPE: PRT
29 <213> ORGANISM: Artificial
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Angiotensin receptor-specific metallopeptide
35 <220> FEATURE:
36 <221> NAME/KEY: MISC_FEATURE
37 <222> LOCATION: (1)..(1)
38 <223> OTHER INFORMATION: Xaa is sarcosine
40 <220> FEATURE:
41 <221> NAME/KEY: METAL
42 <222> LOCATION: (5)..(7)
43 <223> OTHER INFORMATION: metal binding sequence
45 <400> SEQUENCE: 1
W--> 47 Xaa Arg Val Tyr Ile His Cys Pro Thr
48 1      5
51 <210> SEQ ID NO: 2
52 <211> LENGTH: 8
53 <212> TYPE: PRT
54 <213> ORGANISM: Artificial
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Artificial angiotensin ligand
60 <220> FEATURE:
61 <221> NAME/KEY: MISC_FEATURE
62 <222> LOCATION: (1)..(1)
63 <223> OTHER INFORMATION: Xaa is sarcosine
65 <400> SEQUENCE: 2

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W--> 67 Xaa Arg Val Tyr Ile His Pro Thr

68 1 5

71 <210> SEQ ID NO: 3

72 <211> LENGTH: 7

73 <212> TYPE: PRT

74 <213> ORGANISM: Artificial

76 <220> FEATURE:

77 <223> OTHER INFORMATION: Angiotensin receptor-specific construct

80 <220> FEATURE:

81 <221> NAME/KEY: MISC_FEATURE

82 <222> LOCATION: (1)..(1)

83 <223> OTHER INFORMATION: Xaa is sarcosine

85 <220> FEATURE:

86 <221> NAME/KEY: MISC_FEATURE

87 <222> LOCATION: (5)..(5)

88 <223> OTHER INFORMATION: Xaa is pyrrolidine core small molecule -> FYI:-

90 <400> SEQUENCE: 3

W--> 92 Xaa Arg Val Tyr Xaa Pro Thr

93 1 5

96 <210> SEQ ID NO: 4

97 <211> LENGTH: 7

98 <212> TYPE: PRT

99 <213> ORGANISM: Artificial

101 <220> FEATURE:

102 <223> OTHER INFORMATION: Angiotensin receptor-specific construct

105 <220> FEATURE:

106 <221> NAME/KEY: MISC_FEATURE

107 <222> LOCATION: (1)..(1)

108 <223> OTHER INFORMATION: Xaa is sarcosine

110 <220> FEATURE:

111 <221> NAME/KEY: MISC_FEATURE

112 <222> LOCATION: (5)..(5)

113 <223> OTHER INFORMATION: Xaa is hexahydro-pyrrolo[1,2-a]imidazol-3-one core small molecule

115 <400> SEQUENCE: 4

W--> 117 Xaa Arg Val Tyr Xaa Pro Thr

118 1 5

121 <210> SEQ ID NO: 5

122 <211> LENGTH: 7

123 <212> TYPE: PRT

124 <213> ORGANISM: Artificial

126 <220> FEATURE:

127 <223> OTHER INFORMATION: Angiotensin receptor-specific construct

130 <220> FEATURE:

131 <221> NAME/KEY: MISC_FEATURE

132 <222> LOCATION: (1)..(1)

133 <223> OTHER INFORMATION: Xaa is sarcosine

135 <220> FEATURE:

136 <221> NAME/KEY: MISC_FEATURE

137 <222> LOCATION: (5)..(5)

Xaa can only
Represent
Single Amino
Acid.

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138 <223> OTHER INFORMATION: Xaa is hexahydro-pyrrolo[1,2-a]pyrazin-4-one core small
molecule
140 <400> SEQUENCE: 5
W--> 142 Xaa Arg Val Tyr Xaa Pro Thr
143 1 5
146 <210> SEQ ID NO: 6
147 <211> LENGTH: 7
148 <212> TYPE: PRT
149 <213> ORGANISM: Artificial
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Vasopressin receptor-specific construct
155 <220> FEATURE:
156 <221> NAME/KEY: MISC_FEATURE
157 <222> LOCATION: (1)..(1)
158 <223> OTHER INFORMATION: Xaa is cyclohexylacetyl
160 <220> FEATURE:
161 <221> NAME/KEY: MISC_FEATURE
162 <222> LOCATION: (2)..(2)
163 <223> OTHER INFORMATION: Xaa is pyrrolidine core small molecule
165 <220> FEATURE:
166 <221> NAME/KEY: MISC_FEATURE
167 <222> LOCATION: (4)..(4)
168 <223> OTHER INFORMATION: Xaa is diaminopropionic acid
170 <220> FEATURE:
171 <221> NAME/KEY: MISC_FEATURE
172 <222> LOCATION: (7)..(7)
173 <223> OTHER INFORMATION: Xaa is ornithine
175 <400> SEQUENCE: 6
W--> 177 Xaa Xaa Thr Xaa Ala Pro Xaa
178 1 5
181 <210> SEQ ID NO: 7
182 <211> LENGTH: 7
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Vasopressin receptor-specific construct
190 <220> FEATURE:
191 <221> NAME/KEY: MISC_FEATURE
192 <222> LOCATION: (1)..(1)
193 <223> OTHER INFORMATION: Xaa is cyclohexylacetyl
195 <220> FEATURE:
196 <221> NAME/KEY: MISC_FEATURE
197 <222> LOCATION: (2)..(2)
198 <223> OTHER INFORMATION: Xaa is hexahydro-pyrrolo[1,2-a]pyrazin-4-one core small
molecule
200 <220> FEATURE:
201 <221> NAME/KEY: MISC_FEATURE
202 <222> LOCATION: (4)..(4)
203 <223> OTHER INFORMATION: Xaa is diaminopropionic acid
205 <220> FEATURE:
206 <221> NAME/KEY: MISC_FEATURE

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207 <222> LOCATION: (7)..(7)
208 <223> OTHER INFORMATION: Xaa is ornithine
210 <400> SEQUENCE: 7
W--> 212 Xaa Xaa Thr Xaa Ala Pro Xaa
      213 1          5
216 <210> SEQ ID NO: 8
217 <211> LENGTH: 7
218 <212> TYPE: PRT
219 <213> ORGANISM: Artificial
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Vaspressin receptor-specific construct
225 <220> FEATURE:
226 <221> NAME/KEY: MISC_FEATURE
227 <222> LOCATION: (1)..(1)
228 <223> OTHER INFORMATION: Xaa is cyclohexylacetyl
230 <220> FEATURE:
231 <221> NAME/KEY: MISC_FEATURE
232 <222> LOCATION: (2)..(2)
233 <223> OTHER INFORMATION: Xaa is hexahydro-pyrrolo[1,2-a]imidazol-3-one core small
molecule
235 <220> FEATURE:
236 <221> NAME/KEY: MISC_FEATURE
237 <222> LOCATION: (4)..(4)
238 <223> OTHER INFORMATION: Xaa is diaminopropionic acid
240 <220> FEATURE:
241 <221> NAME/KEY: MISC_FEATURE
242 <222> LOCATION: (7)..(7)
243 <223> OTHER INFORMATION: Xaa is ornithine
245 <400> SEQUENCE: 8
W--> 247 Xaa Xaa Thr Xaa Ala Pro Xaa
      248 1          5
251 <210> SEQ ID NO: 9
252 <211> LENGTH: 10
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Oxytocin receptor-specific metalloptide
260 <220> FEATURE:
261 <221> NAME/KEY: METAL
262 <222> LOCATION: (4)..(6)
263 <223> OTHER INFORMATION: metal binding sequence
265 <400> SEQUENCE: 9
267 Ala Tyr Ile Glx Asx Cys Ala Pro Leu Gly
268 1          5          10
271 <210> SEQ ID NO: 10
272 <211> LENGTH: 8
273 <212> TYPE: PRT
274 <213> ORGANISM: Artificial
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Oxytocin receptor-specific construct

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280 <220> FEATURE:
281 <221> NAME/KEY: MISC_FEATURE
282 <222> LOCATION: (4)..(4)
283 <223> OTHER INFORMATION: Xaa is pyrrolidine core small molecule
285 <400> SEQUENCE: 10
W--> 287 Ala Tyr Ile Xaa Ala Pro Leu Gly
288 1 5
291 <210> SEQ ID NO: 11
292 <211> LENGTH: 8
293 <212> TYPE: PRT
294 <213> ORGANISM: Artificial
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Oxytocin receptor-specific construct
300 <220> FEATURE:
301 <221> NAME/KEY: MISC_FEATURE
302 <222> LOCATION: (4)..(4)
303 <223> OTHER INFORMATION: Xaa is Hexahydro-pyrrolo[1,2-a]pyrazin-4-one
305 <400> SEQUENCE: 11
W--> 307 Ala Tyr Ile Xaa Ala Pro Leu Gly
308 1 5
311 <210> SEQ ID NO: 12
312 <211> LENGTH: 8
313 <212> TYPE: PRT
314 <213> ORGANISM: Artificial
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Oxytocin receptor-specific construct
320 <220> FEATURE:
321 <221> NAME/KEY: MISC_FEATURE
322 <222> LOCATION: (4)..(4)
323 <223> OTHER INFORMATION: Xaa is hexahydro-pyrrolo[1,2-a]imidazol-3-one
325 <400> SEQUENCE: 12
W--> 327 Ala Tyr Ile Xaa Ala Pro Leu Gly
328 1 5
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RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 02/07/2007

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Input Set : N:\efs\02_07_07\10776419_efs\419-SequenceListing.txt

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1
Seq#:2; Xaa Pos. 1
Seq#:3; Xaa Pos. 1,5
Seq#:4; Xaa Pos. 1,5
Seq#:5; Xaa Pos. 1,5
Seq#:6; Xaa Pos. 1,2,4,7
Seq#:7; Xaa Pos. 1,2,4,7
Seq#:8; Xaa Pos. 1,2,4,7
Seq#:10; Xaa Pos. 4
Seq#:11; Xaa Pos. 4
Seq#:12; Xaa Pos. 4

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12

VERIFICATION SUMMARY

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Input Set : N:\efs\02_07_07\10776419_efs\419-SequenceListing.txt

Output Set: N:\CRF4\02072007\J776419.raw

L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0